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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/815,802

04/02/2004

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EXAMINER

JACKSON, BLANE J

ART UNIT

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2618

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/815,802	Applicant(s) OHMURA ET AL.	
	Examiner Blane J. Jackson	Art Unit 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 22-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 22-26,30-32 is/are rejected.
- 7) ☒ Claim(s) 27-29 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Election/Restrictions

Claims 11-21 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 09 January 2008.

Information Disclosure Statement

The Information Disclosure Statements filed 02 April 2004, 28 June 2007 and 11 March 2008 are made of record.

Claim Objections

Claim 27 is objected to because it is dependent on a withdrawn claim. It is treated in the following rejection as dependent on claim 22 with consistency with claims 26 and 28. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 22-25 and 30 are rejected under 35 U.S.C. 102(e) as being anticipated by Koenck et al. (US 2004/0166895).

As to claim 22, Koenck teaches a portable printer comprising:

a connecting mechanism that connects the portable printer to a portable communication terminal (figure 2, paragraph 0122, peripheral I/O module (34) includes a second connector to couple to a first connector on the end of the communication terminal (10) where the module may include a portable printer device),

a second connector that is directly connected to a first connector of the portable communication terminal when the portable printer is connected to the portable communication terminal (figure 2, paragraphs 0122 and 0131, there is a second connector on the module to connect the I/O module to an external printer **or** the I/O module (34) itself comprises the second connector to connect to the communication device and comprises a portable printer such that the printer/module may be mounted or coupled directly to the communication unit (10)), and

a printer part that prints an image on a printer medium in accordance with image data input from the portable communication terminal via the first and second connectors (paragraph 0122, the communication terminal (10) communicates with a printer).

As to claim 23 with respect to claim 22, Koenck teaches the connecting mechanism includes a housing for housing a part of the portable 33 communication terminal including the first connector, and the second connector is provided at an inner side of the housing (paragraph 0122, peripheral I/O module provides an interface between the terminal unit and peripheral devices such as docks).

As to claim 24 with respect to claim 22, Koenck teaches wherein the connecting mechanism connects the portable communication terminal to the portable printer in a lengthwise manner or a widthwise manner (figures 1 and 2, paragraphs 0122 and 0131, communication terminal (10) is held in the hand with the printer connected to bottom surface/connector (35)).

As to claim 25 with respect to claim 22, Koenck teaches the connecting mechanism externally connects the portable communication terminal onto the portable printer (figure 2, paragraph 0131, the portable printer device (59) may be mounted or coupled directly to the communication terminal (10)).

As to claim 30, Koenck teaches a portable printer comprising:

a connecting mechanism that connects the portable printer to a portable communication terminal (figure 2, paragraph 0122, peripheral I/O module (34) includes a second connector to couple to a first connector on the end of the communication terminal (10) where the module may include a portable printer device),

a second connector that is connected to a first connector of the portable communication terminal via a cable (figure 2, paragraphs 0122 and 0131, there is a second connector on the module to connect the I/O module to an external printer via a cable), and

a printer part that prints an image on a printer medium in accordance with image data input from the portable communication terminal via the first and second connectors (paragraph 0122, the communication terminal (10) communicates with a printer).

Claim 31 is rejected under 35 U.S.C. 102(e) as being anticipated by Hollstrom et al. (US 7,239,891).

As to claim 31, Hollstrom teaches a portable printer, comprising:

a connecting mechanism for connecting the portable printer to a portable communication terminal;

a second short distance wireless communication device capable of communicating wirelessly with a first short distance wireless communication device; and

a printer part for printing an image on a print medium in accordance with image data inputted from the portable communication terminal via the first and second short distance wireless communication devices.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 26 is rejected under 35 U.S.C. 103(a) as being unpatentable over Koenck et al. (US 2004/0166895) in view of Silverbrook et al. (US 6,405,055).

As to claim 26 with respect to claim 22, Koenck teaches a communication terminal attached to a peripheral device, a printer, but does not teach the connecting mechanism includes a coupling part that is coupled with a battery attaching part of the portable communication terminal.

Silverbrook teaches a hand held mobile phone having an internal detachable printer (12), figures 3 and 4, column 2, line 44 to column 3, line 31. Silverbrook reveals the detachable printer is mounted between the mobile phone and the battery (32) such that the connecting mechanism includes a coupling part that is coupled with the battery attaching part of the mobile phone, figure 4, column 3, lines 5-60.

It would have been obvious to one of ordinary skill in the art at the time of the invention to configure the communication terminal to fit the printer of the system of Koenck as shown by Silverbrook to provide a more integrated compact portable printer/mobile phone.

Claim 32 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hollstrom et al. (US 7,239,891) in view of Stephenson (US 6,241,351).

As to claim 32, Hollstrom teaches a portable printer wirelessly connected to a communication terminal, figure 1, but does not teach the print medium is an instant print film and the printer part includes a light emission head for exposing an image light onto the instant print film in accordance with the inputted image data, and an spread device for spreading the instant print film exposed by the light emission head to develop the instant print film.

Stephenson teaches a portable battery powered printer for printing images from an image source such as electronic still cameras, figure 1, column 2, lines 34-47.

Stephenson discloses each ink receiver sheet (15) is a light sensitive media and write head is a light source that is modulated to create an image where the ink receiver sheet (15) can be a Polaroid instant print film and write head can be a small array of red, green and blue light emitting diodes, column 2, lines 48-67.

It would have been obvious to one of ordinary skill in the art at the time of the invention to apply the portable battery powered printer of Stephenson as the printer used with the communication terminal of Hollstrom for printing images in a field environment.

Allowable Subject Matter

Claims 27-29 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon but considered pertinent to applicant's disclosure includes Silverbrook (US 7,286,260) and Silverbrook (US 7,236,271).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J. Jackson whose telephone number is (571) 272-

7890. The examiner can normally be reached on Monday through Thursday, 8:30 AM-7:00 PM, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Blane J. Jackson/
Primary Examiner, Art Unit 2618